

AMENDMENTS TO THE CLAIMS

In the Claims:

Please cancel Claims 2, 8-10, and 12 without prejudice. Please amend Claims 1, 3, 4, 11, 13, 14, 18, 19, and 21. A complete copy of the claims including marked-up versions of each claim that is amended in this Amendment Under 35 U.S.C. Section 1.116 appears below.

1 1. (Currently Amended) A wireless data exchange system comprising:
2 an electronically operated fluid dispensing device comprising:
3 a transmitter;
4 a first receiver;
5 a second receiver; and
6 a control module configured to communicate with said transmitter, said first
7 receiver, and said second receiver, said control module being configured to
8 provide a primary mode of operation in which the single electrically operated fluid
9 dispensing system is operable and a secondary mode of operation in which the
10 single electrically operated fluid dispensing system is not operable and including
11 control logic configured to selectively change the mode of operation of the single
12 electronically operated fluid dispensing device, wherein said primary mode of
13 operation comprises a sensing mode and said secondary mode of operation

14 comprises a communication mode, said first receiver being configured to operate
15 in said sensing mode and said second receiver being configured to operate in said
16 communication mode; and
17 a communication device adapted to be held in the hand of a user and configured to
18 cooperate with said transmitter and said second receiver to receive data wirelessly from
19 said control logic regarding the operation of the single electrically operated fluid
20 dispensing device and to impart instructions wirelessly to said control logic to change the
21 mode of operation of the electronically operated fluid dispensing device upon receipt of a
22 command from a user which changes said mode of operation of said control module from
23 said primary mode of operation to said secondary ~~ode~~ mode of operation.

1 2. (Cancelled).

1 3. (Currently Amended) A wireless data exchange system as defined in Claim 1,
2 wherein said transmitter comprises an active infrared emitter configured to selectively
3 emit sensing signals capable of being received by said first receiver and communication
4 signals capable of being received by said communication device.

1 4. (Currently Amended) A wireless data exchange system as defined in Claim 3,
2 wherein said second receiver comprises an infrared detector capable of detecting a

3 communication signal and said first receiver comprises an infrared detector capable of
4 detecting a sensing signal.

1 5. (Cancelled).

1 6. (Previously Presented) A wireless data exchange system as defined in Claim 1,
2 wherein said communication device includes a communication receiver and a
3 microprocessor, and wherein said communication receiver and said microprocessor
4 cooperate to receive signals from the single electronically operated fluid dispensing
5 device, identify the single electronically operated fluid dispensing device and determine
6 the operating status of the single electronically operated fluid dispensing device.

1 7. (Previously Presented) A wireless data exchange system as defined in Claim 6,
2 wherein said communication device further includes an emitter that communicates with
3 said microprocessor to transmit signals to the single electronically operated fluid
4 dispensing device in response to signals received from the single electronically operated
5 fluid dispensing device, the transmitted signals including instructions that change the
6 operating parameters of the single electronically operated fluid dispensing device.

1 8.-10. (Cancelled).

11. (Currently Amended) A wireless data exchange system for use in an electrically operated fluid dispensing system, said wireless data exchange system comprising:

a transmitter which is associated with a single electrically operated fluid dispensing system;

~~a receiver~~ first and second receivers which ~~is~~ are associated with the single electrically operated fluid dispensing system;

a control module which is associated with the single electrically operated fluid dispensing system and which is operatively connected to communicate with said transmitter and said ~~receiver~~, first and second receivers, said control module being configured to provide a primary mode of operation in which the single electrically operated fluid dispensing system is operable and a secondary mode of operation in which the single electrically operated fluid dispensing system is not operable, said control module including control logic configured to selectively change the mode of operation of the single electronically operated fluid dispensing device, wherein said primary mode of operation comprises a sensing mode and said secondary mode of operation comprises a communication mode, said first receiver being configured to operate in said sensing mode and said second receiver being configured to operate in said communication mode; and

a communication device adapted to be held in the hand of a user and configured to cooperate with said transmitter and said second receiver, said communication device communicating with said control module to cause said control module to switch from said

21 primary mode of operation to said secondary mode of operation, wherein said
22 communications device receives data wirelessly from said control logic regarding the
23 operation of the single electrically operated fluid dispensing device and imparts
24 instructions wirelessly to said control logic to change the mode of operation of the single
25 electronically operated fluid dispensing device as commanded by a user when said control
26 module is in said secondary mode of operation.

1 12. (Cancelled).

1 13. (Currently Amended) A wireless data exchange system as defined in Claim 11,
2 wherein said transmitter comprises:
3 an active infrared emitter configured to selectively emit sensing signals capable of
4 being received by said first receiver and communication signals capable of being received
5 by said communication device.

1 14. (Currently Amended) A wireless data exchange system as defined in Claim 13,
2 wherein said second receiver comprises:
3 an infrared detector capable of detecting a communication signal;
4 and wherein said first receiver comprises:
5 an infrared detector capable of detecting a sensing signal.

1 15. (Previously Presented) A wireless data exchange system as defined in Claim 11,
2 wherein said communication device comprises:
3 a communication receiver; and
4 a microprocessor, wherein said communication receiver and said microprocessor
5 cooperate to receive signals from the single electronically operated fluid dispensing
6 device, identify the single electronically operated fluid dispensing device and determine
7 the operating status of the single electronically operated fluid dispensing device.

1 16. (Previously Presented) A wireless data exchange system as defined in Claim 15,
2 wherein said communication device further comprises:
3 an emitter that communicates with said microprocessor to transmit signals to the
4 single electronically operated fluid dispensing device in response to signals received from
5 the single electronically operated fluid dispensing device, the transmitted signals
6 including instructions that change the operating parameters of the single electronically
7 operated fluid dispensing device.

1 17. (Previously Presented) A wireless data exchange system as defined in Claim 11,
2 additionally comprising:
3 a timer which begins timing a fixed period whenever said control module switches
4 from said primary mode of operation to said secondary mode of operation, said timer

causing said control module to switch from said secondary mode of operation to said primary mode of operation when said timer reaches the end of said fixed period.

18. (Currently Amended) A wireless data exchange system as defined in Claim 17, wherein said control module is adapted to cause fluid to flow from the single electrically operated fluid dispensing device in response to an object in sufficiently close proximity to said first receiver reflecting a signal from said transmitter to said first receiver.

19. (Currently Amended) A wireless data exchange system as defined in Claim 18, wherein said communication device is adapted to allow the period of time that fluid will flow from the single electrically operated fluid dispensing device following detection of an object in proximity to said first receiver.

20. (Previously Presented) A wireless data exchange system as defined in Claim 11, additionally comprising:
a computer connected to the Internet, wherein said communication device is adapted for connection to said computer to provide operational information regarding the single electronically operated fluid dispensing device which operational information is transmitted on the Internet; and
a server also connected to the Internet, said server receiving said operational information and storing it in a database.

21. (Currently Amended) A wireless data exchange system as defined in Claim 11,
additionally comprising:

a second transmitter which is associated with a second single electrically operated
fluid dispensing system;

~~a second~~ third and fourth receivers which ~~is~~ are associated with the second single
electrically operated fluid dispensing system; and

a second control module which is associated with the second single electrically
operated fluid dispensing system and which is operatively connected to communicate
with said second transmitter and said ~~second receiver~~, third and fourth receivers, said
second control module being configured to provide a primary mode of operation in which
the second single electrically operated fluid dispensing system is operable and a
secondary mode of operation in which the second single electrically operated fluid
dispensing system is not operable, said second control module including second control
logic configured to selectively change the mode of operation of the second single
electronically operated fluid dispensing device, wherein said primary mode of operation
comprises a sensing mode and said secondary mode of operation comprises a
communication mode, said third receiver being configured to operate in said sensing
mode and said fourth receiver being configured to operate in said communication mode;
wherein said communication device can communicate with said second control module to
cause said second control module to switch from said primary mode of operation to said

21 secondary mode of operation, wherein said communications device receives data
22 wirelessly from said second control logic regarding the operation of the second single
23 electrically operated fluid dispensing device and imparts instructions wirelessly to said
24 second control logic to change the mode of operation of the second single electronically
25 operated fluid dispensing device as commanded by a user when said second control
26 module is in said secondary mode of operation.